WHAT IS CLAIMED IS:

1. A leather-like sheet substrate comprising a fiber-entangled nonwoven fabric that comprises a microfine fiber bundle (A) and a microfine fiber bundle (B) in a blending ratio (A)/(B) of 30/70 to 70/30 by mass and a polymeric elastomer contained in the fiber-entangled nonwoven fabric, the microfine fiber bundle (A) comprising 10 to 100 microfine fibers each of which has a single fiber fineness of 0.5 dtex or less and which are made of an elastic polymer having a JIS A hardness of 90 to 97, and the microfine fiber bundle (B) comprising a microfine fiber which has a single fiber fineness of 0.5 dtex or less and which is made of a non-elastic polymer.

2. The leather-like sheet substrate according to claim 1, wherein the microfine fibers in the microfine fiber bundle (A) inside the leather-like sheet substrate partially stick to each other.

3. The leather-like sheet substrate according to claim 1, wherein a powder having an average particle size of 0.1 to 5 μm is present at least between the microfine fibers in the microfine fiber bundle (A).

4. The leather-like sheet substrate according to claim 1, which is made into a suede-finished leather-like sheet.

5. The leather-like sheet substrate according to claim 4, wherein raised single fibers each made of the microfine fiber in the microfine fiber bundle (A) do not substantially stick to each other.

6. The leather-like sheet substrate according to claim 1, which is made into a grained leather-like sheet.

7. A process for producing a leather-like sheet substrate, comprising at least the following steps (1) to (6):

(1) a step of producing a microfine fiber-forming fiber (A') capable of forming a microfine fiber bundle (A) comprising 10 to 100 microfine fibers each of which has a single fiber fineness of 0.5 dtex or less and which are made of an elastic polymer having a JIS A hardness of 90 to 97;

(2) a step of producing a microfine fiber-forming fiber (B') capable of forming a microfine fiber bundle (B) comprising microfine fibers each of which has a single fiber fineness of 0.5 dtex or less and which are made of a non-elastic polymer;

(3) a step of producing a fiber-entangled nonwoven fabric (A) by blending the microfine fiber-forming fiber (A') and the microfine fiber-forming fiber (B') so that a blending ratio of the microfine fiber bundle (A) to the microfine fiber bundle (B) is 30/70 to 70/30 by mass when the microfine fiber-forming fibers (A') and (B') are made into the microfine fibers, thereby producing a web, and by three-dimensionally entangling the web;

(4) a step of producing a fiber-entangled nonwoven fabric (B) by heat-shrinking the fiber-entangled nonwoven fabric (A) at 85°C or higher;

(5) a step of impregnating a polymeric elastomer into the fiber-entangled nonwoven fabric (B); and

(6) a step of making the microfine fiber-forming fiber (A') and the microfine fiber-forming fiber (B') into the microfine fibers to form the microfine fiber bundle (A) and the microfine fiber bundle (B).